

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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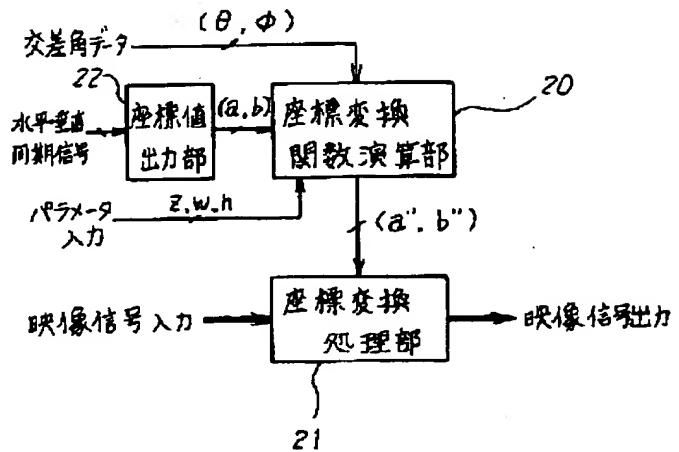
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TITLE : METHOD AND DEVICE FOR  
PROCESSING PICTURE PROJECTION  
DISPLAY DEVICE



ABSTRACT : PURPOSE: To correct geometrical distortion caused in a projected picture by applying coordinate conversion processing to a video signal of each projected picture obtained through time axis expansion processing in response to a picture display position when plural projected pictures are jointed to form a picture.

CONSTITUTION: An inputted video signal is divided into parts corresponding to each projected picture through the use of time axis expansion processing and the processed signal is inputted to a geometrical distortion correction section. The geometrical distortion correction section is constituted of a coordinate conversion function arithmetic operation section 20, a coordinate conversion processing section 21, and a coordinate output section 22. A relative coordinate (a, b) is outputted synchronously with horizontal and vertical synchronizing signals by the coordinate output section 22 and inputted to the coordinate conversion function arithmetic operation section 20. In addition upper/lower and left/right cross angles (θ, φ), a distortion correction video horizontal width (w), a distortion correction video vertical height (h), and a projection distance (z) are inputted to the coordinate conversion function arithmetic operation section 20. The coordinate conversion processing section 21 implements the arithmetic operation processing to convert a video signal whose coordinate is (a, b) into a coordinate (a'', b'') and outputs the video signal subjected coordinate conversion.

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